

CLAIMS

1. A device for the storage of liquid, particularly capillary liquid, comprising a container (1) and a removable cap (2), the cap being of the type comprising a part for gripping and a part for stoppering capable of collaborating with a nozzle (4) of the container, said nozzle forming a passage (6) between a zone inside the container and the outside, a free end of the nozzle forming a liquid outlet orifice (7), characterized in that it comprises a means for keeping the liquid contained in the container axially away from the orifice of the nozzle when the cap is in the closed position.
2. The device as claimed in claim 1, characterized in that it comprises a means capable, when the cap is in the closed position, of forming inside the passage (6) a barrier to the liquid, said barrier being formed axially away from the liquid outlet orifice (7).
3. The device as claimed in claim 1 or 2, characterized in that it comprises a surface capable, by adsorption, of spreading some of the liquid away from the orifice of the nozzle when the device is opened.
4. The device as claimed in any one of claims 1 to 3, characterized in that means (8, 11) are provided for fixing the cap onto the container and in that the cap comprises means for allowing the pressure in the zone inside the container and the pressure outside to be balanced upon opening before the means for fixing the cap onto the container are deactivated.
5. The device as claimed in any one of claims 1 to 4, characterized in that the cap comprises a part extending roughly between the orifice of the nozzle and an opposite end of said nozzle in communication with the zone inside the container, in the closed position.
6. The device as claimed in claim 5, characterized in that said part comprises at least one duct (16)

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capable of placing the zone inside the container in communication with a zone delimited by the cap and in communication with the outside.

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5 7. The device as claimed in claim 5 or 6, characterized in that said part comprises at least two tabs (13) capable of at least partially stoppering the nozzle.

A 8. The device as claimed in claims 6 and 7, characterized in that the duct (16) is formed between the  
10 tabs.

9. The device as claimed in claim 7 or 8, characterized in that the tabs are separated by slots  
15 (15).

10. The device as claimed in any one of claims 7 to  
15 9, characterized in that the tabs are of a length approximately equal to that of the nozzle.

11. The device as claimed in any one of claims 7 to  
20 9, characterized in that the tabs are of a length appreciably longer than that of the nozzle and project into the zone inside the container in the closed state.

12. The device as claimed in any one of claims 4 to  
25 7, characterized in that the pressure-balancing means are capable of passing through some liquid held in the nozzle by capillarity.

13. The device as claimed in claim 12, characterized  
30 in that it comprises a tube of a length longer than that of the cap, arranged inside said cap and opening at one end near the orifice (7) of the nozzle (4) in the closed position and, at the other end, in the zone inside the container.

14. A device for the storage of liquid, particularly  
35 capillary liquid, comprising a container (1) and a removable cap (2), the cap being of the type comprising a part for gripping and a part for stoppering capable of collaborating with a nozzle (4) of the container, said nozzle forming a passage (6) between a zone inside the

container and the outside, a free end of the nozzle forming a liquid outlet orifice (7), characterized in that it comprises a liquid-tight means for keeping said liquid axially away from the outlet orifice and which is gas-permeable.

15. A device for the storage of liquid, particularly capillary liquid, comprising a container (1) and a removable cap (2), the cap being of the type comprising a part for gripping and a part for stoppering capable of collaborating with a nozzle (4) of the container, said nozzle forming a passage (6) between a zone inside the container and the outside, a free end of the nozzle forming a liquid outlet orifice (7), characterized in that it comprises a means for spreading some of the liquid away from the orifice of the nozzle when the device is opened.

16. A device for the storage of liquid, particularly capillary liquid, comprising a container (1) and a removable cap (2), the cap being of the type comprising a part for gripping and a part for stoppering capable of collaborating with a nozzle (4) of the container, said nozzle forming a passage (6) between a zone inside the container and the outside, a free end of the nozzle forming a liquid outlet orifice (7), characterized in that it comprises a gas communication means capable of withdrawing gases contained in the device, the liquid remaining kept in said device.

17. A removable cap for a container as claimed in any one of the preceding claims.

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